



Total Land Subsidence in the Eloy Sub-Basin, Pinal County  
Based on Radarsat-2 Satellite Interferometric Synthetic Aperture Radar (InSAR) Data  
Time Period of Analysis: 2.0 Years 04/19/2015 To 03/15/2017

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### Explanation

04/19/2015 To 03/15/2017

#### Total Land Subsidence

Decorrelation/No Data
Greater 40 cm (15.7 in)
25 - 40 cm (9.8 - 15.7 in)
15 - 25 cm (5.9 - 9.8 in)
10 - 15 cm (3.9 - 5.9 in)
6 - 10 cm (2.4 - 3.9 in)
4 - 6 cm (1.6 - 2.4 in)
2 - 4 cm (0.8 - 1.6 in)
1 - 2 cm (0.4 - 0.8 in)
0 - 1 cm (0 - 0.4 in)

Subsidence Feature

Hardrock  
Earth Fissures  
CAP Canal

#### Highways and Interstates

Interstate  
US  
State  
Railway  
Roads

1:347,876

0 2 4 8 12 16 Miles

Decorrelation (white areas) are areas where the phase of the received satellite signal changed between satellite passes, causing the data to be unusable. This occurs in areas where the land surface has been disturbed (i.e. bodies of water, snow, agriculture areas, areas of development, etc).

Earth fissures were mapped by the Arizona Geological Survey. For information on earth fissures visit: [www.azgs.gov/EFC](http://www.azgs.gov/EFC)

Coordinate System: NAD 1983 UTM Zone 12N  
Projection: Transverse Mercator  
Datum: North American 1983  
Units: Meter  
Created: 6/20/2017

